FAA Cybersecurity Key Remarks
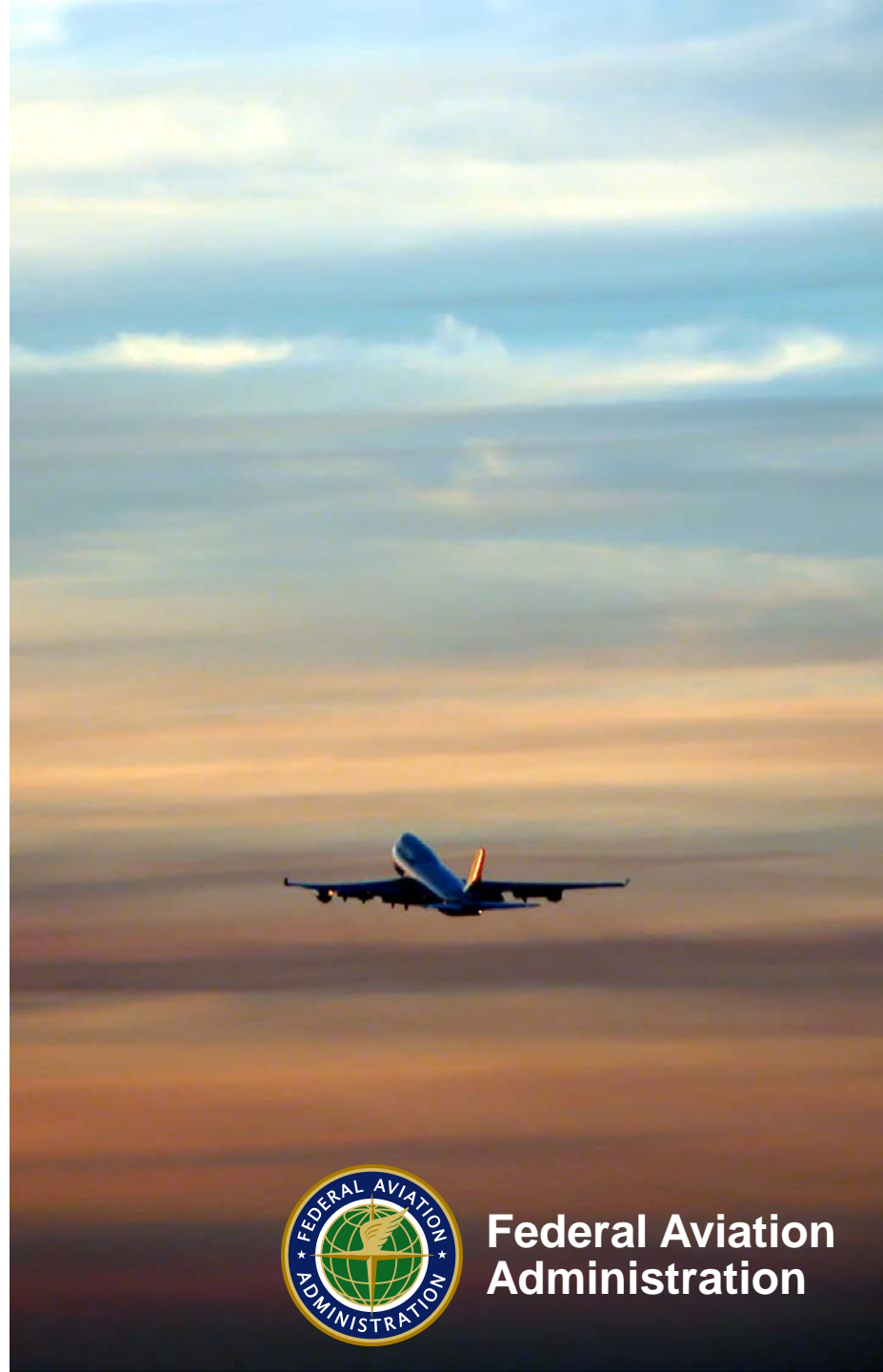
Protection, Vigilance, and Collaboration

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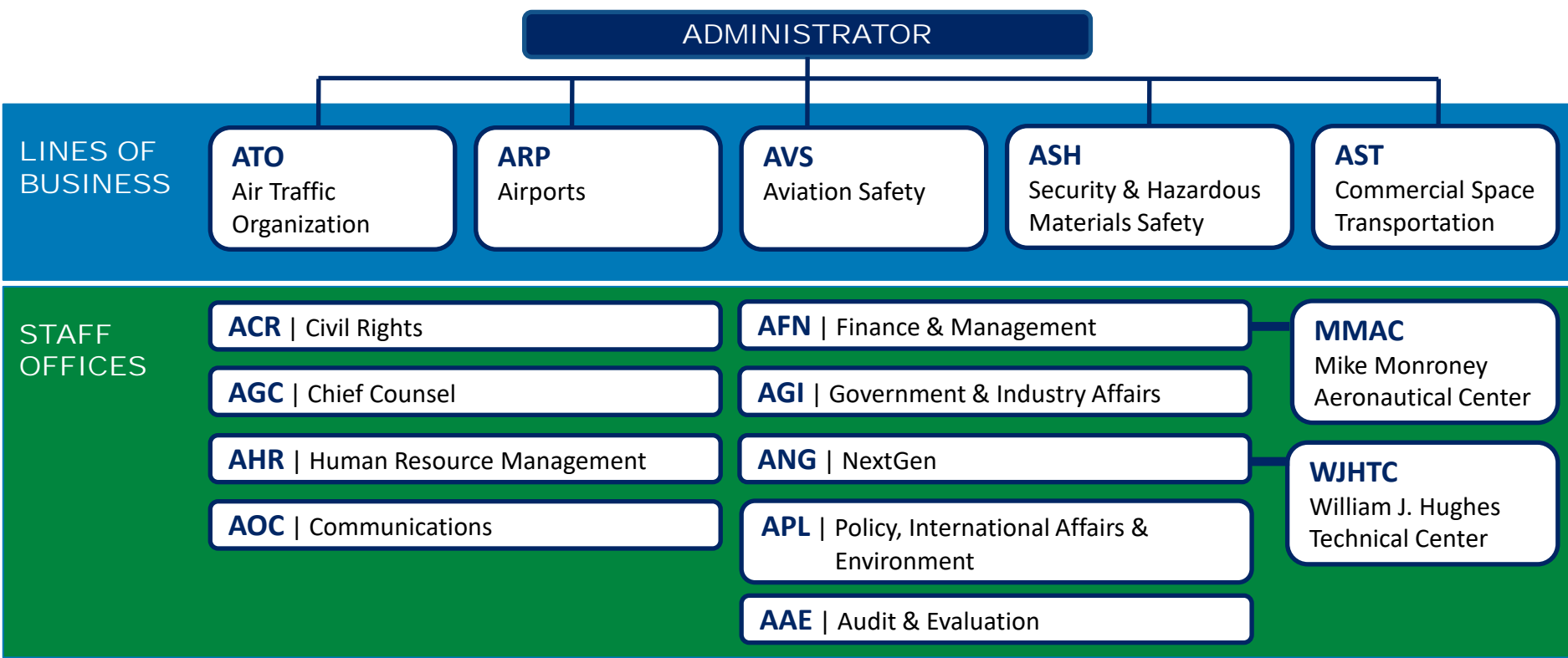
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Outline

- **FAA Organizational Structure**
- **Cybersecurity Briefing**
  - Risk Management, Threat & Vulnerability Identification
  - Protecting Aviation Infrastructure
  - Resilience and Vigilance
  - Defense in Depth: Perspectives

FAA's Organizational Structure

- The FAA has more than 44,000 employees and over 71,000 facilities positioned around the world.

- The FAA Organization is divided into 5 major Lines of Business (LOBs) and 9 Staff Offices (SOs) that work collaboratively.

ADMINISTRATOR

LINES OF BUSINESS

ATO Air Traffic Organization	**ARP** Airports	**AVS** Aviation Safety	**ASH** Security & Hazardous Materials Safety	**AST** Commercial Space Transportation

STAFF OFFICES

ACR | Civil Rights	**AFN** | Finance & Management	**MMAC** Mike Monroney Aeronautical Center
AGC | Chief Counsel	**AGI** | Government & Industry Affairs	
AHR | Human Resource Management	**ANG** | NextGen	**WJHTC** William J. Hughes Technical Center
AOC | Communications	**APL** | Policy, International Affairs & Environment	
	AAE | Audit & Evaluation	

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Risk Management, Threat, & Vulnerability Identification

- **The cyber threat landscape has changed drastically over the past several years and continues to rapidly evolve.**

- **FAA leverages both the NIST Risk Management (RMF) and NIST Cybersecurity Framework (CSF) to structure and standardize approaches to information security and risk management.**

Protecting Aviation Infrastructure

NIST CSF 5 Core Functions

1. Identify

2. Protect

3. Detect

4. Respond

5. Recover

NIST RMF 7 Step Process

1. Prepare

2. Categorize

3. Select

4. Implement

5. Assess

6. Authorize

7. Monitor

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Resilience & Vigilance

- **The FAA is continuously striving to be more *resilient* to better protect against the next threat.**

- **In practical terms, that means we stay *vigilant* about potential issues and address them as needed.**

Defense in Depth: Perspectives

- **The FAA uses a layered "defense in depth" strategy to enable the safe and efficient operation of the U.S. National Airspace System.**

  - This means working with various partners within the government to address issues from multiple angles.

- **Moreover, the FAA will continue to collaborate with aviation stakeholders within industry and the government to collectively identify and address cybersecurity risks and strengthen our security posture and improve overall aviation sector cyber-resilience.**

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